LALDR Series

Convert new or existing LED fixtures into emergency lighting units with a constant power emergency LED driver

Housing
- High impact thermoplastic enclosure, 5VA flame retardant in black finish
- LED illuminated remote test switch

Mounting
- Suitable for installation on top or remotely (up to 50 feet)

Lamp type operation
- LED lamps with 20VDC to 50VDC operating voltage
- Can be wired for normally-on, normally-off or switched loads
- Lumen output depends on LED light source efficacy (Lumens/watts)

Lumen output
- Universal 120/277, 50/60Hz input
- Provides 90 minutes of emergency operation
- Surge protection
- Output classification: Class 2 compliant
- Output and input overcurrent protection
- Constant power supply in emergency mode

Battery
- Long-life maintenance free rechargeable nickel-cadmium battery

Approvals
- Damp location listed 32°F to 122°F (0°C to 50°C)
- UL classified for field or factory installation
- UL924 approved
- NFPA 101 life safety code, NEC, and OSHA

Warranty (subject to proper installation and maintenance)
Ballast: five-year full warranty
Detailed warranty terms located on **page 197 or online at: www.lightalarms.com**

Important note

LALDR SERIES System Coordination Guidelines

These guidelines were developed to allow the lighting system Designer/Specifier to predict the operating performance levels of LED luminaires when powered by an electrically compatible LALDR Series model. It is ultimately the responsibility of the Designer/Specifier to ensure that the as installed system delivers code-compliant path of egress illumination.

1. Determine Electrical Compatibility

a. Verify that the Luminaire LED Driver, where applicable, is Class 2 compliant.
b. Verify that the Luminaire LED Lamp(s) have an operating voltage between 20Vdc and 50Vdc.
c. Verify that the Luminaire LED Lamp(s) have a power rating equal to, or greater than, the emergency power rating of the LALDR model under consideration.

Calculate lumen output during emergency operation

- Lumen output = Efficacy (Lumen/watt) X emergency LED driver wattage
- In order to understand luminaire efficacy:
  - Access luminaire data by logging onto Design Lites Consortium: **www.designlights.org**
  - Select 'Search the DLC Qualified Product List' on the DLC homepage
  - Enter manufacturer name and P/N of luminaire under consideration in the 'search by keyword' text window
  - Select 'Search' tab to open the 'Qualified Products List'
  - Determine luminaire lumens per watt efficacy in 'Rated Data' specifications
  - Multiply luminaire lumens per watt by emergency output of the 'LED Driver' model under consideration

Dimensions (Dimensions are approximate and subject to change)

Model	Length	Width	Height
LALDR-5	11.46"	2.63"	1.48"
LALDR-7	15.35"	2.63"	1.48"
LALDR-11	15.35"	2.63"	1.48"
LALDR-17	19.19"	2.63"	1.48"

Electrical information

Model	Output	Input
LALDR-5	5 Watts	3.9 Watts
LALDR-7	7 Watts	4.8 Watts
LALDR-11	11 Watts	5.7 Watts
LALDR-17	17 Watts	7.9 Watts

Ordering format

Series	Wattage
LALDR-	**5** **7** **11** **17**

Example: LALDR-5